

## SRF LIMITED ENGINEERING PLASTICS BUSINESS

### TUFNYL RGF30 NATURAL

Product Description: Polyamide 66 30% glass filled material for injection molding.

### Tentative Properties

PROPERTY	TEST METHOD	UNIT	VALUE		
<b>Mechanical Properties</b>					
Tensile Strength @ break	ISO 527	MPa	170		
Elongation @ break	ISO 527	%	3.0		
Flexural Strength	ISO 178	MPa	250		
Flexural Modulus	ISO 178	MPa	9000		
Izod Impact Strength Notched @ 23 °C	ISO 180	kJ/m <sup>2</sup>	8		
Rockwell Hardness	ISO 2039-2	M Scale	90		
<b>Electrical Properties</b>					
Comparative Tracking Index	IEC 60112	V	300		
<b>Thermal Properties</b>					
Heat Deflection Temperature @ 1.8 MPa load	ISO 75	°C	230		
Melting Temperature	ISO 3146	°C	260		
<b>Physical Properties</b>					
Specific Gravity	ISO 1183	g/cm <sup>3</sup>	1.37		
Filler Content		%	30		
<b>Guidelines for Processing Glass Fiber Reinforced Grades</b>					
It is recommended to pre dry the Nylon granules in vacuum / air circulated ovens at 100/80°C for 2 - 4 hrs. Using perforated trays					
<b>Injection Molding Parameters: Temperature setting in °C</b>					
Feed	Compression	Melting	Nozzle	Melt	Mould
270-280	285-290	290-295	300	270 -290	80 -100

Plant: Manali Industrial Area, Manali, Chennai - 600 068, INDIA

Phone: +91-44-2594 6206 Fax: +91-44-2594 3073 Email: [qualityassurance@srf.com](mailto:qualityassurance@srf.com)

Corporate office: Unitech Crest, Block C, Plot 946, Sector 45, Gurgaon, Haryana-122 003

**Disclaimer :**

Information contained in this document is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. The information is given in good faith, but no warranty, express or implied is made. Consult SRF LIMITED ( Engineering Plastics Business) for further information.

